CLEAR SPRINGS FOODS®

JOHN R. MACMILLAN
VICE PRESIDENT

CLEAR SPRINGS FOODS, INC.
P.O.Box 712, Buhl, Idaho 83316
Phone 208 543-3462
Fax 208 543-4146

August 2, 2018

U.S. Environmental Protection Agency
Region 10, OWW-130
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

RE: Updated Lost River Trout Hatchery NOI (NPDES Permit IDG130073)

We are updating (enclosed) our Notice of Intent (NOI) for Clear Springs Foods Lost River Trout Hatchery (NPDES Permit Number IDG130073). We are updating the drug and chemical table to account for the use of emamectin benzoate in feed to treat external copepods on trout. We are also updating to include our current rearing permit and facility map.

Thank you.

Sincerely,

John R MacMillan

John R. MacMillan, Ph.D.
Vice President

encl.

cc: IDEQ, Idaho Falls Region

Notice Of Intent (NOI) To Operate Under NPDES General Permit #IDG-130000 for AQUACULTURE FACILITIES in Idaho Subject to Wasteload Allocations

Submission of this document constitutes notice that the party identified under Operator Name intends to be covered by the general permit authorizing discharges from aquaculture activities in Idaho that are subject to wasteload allocations and obligates the operator (permittee) to comply with the terms and conditions of the permit.

Facility Owner/Operator Information

Operator's Name (Permittee): Clear Springs Foods, Inc.	**Phone:** (208) 543-3462
Address: Clear Springs Foods, Inc. P.O. Box 712 Buhl, ID 83316	**Fax:** 208-543-4316
	E-Mail Address: randy.macmillan@clearsprings.com
Owner's Name: Clear Springs Foods, Inc.	**Phone:** (208) 543-4316
Address: Clear Springs Foods, Inc. P.O. Box712 Buhl, ID 83316	**Fax:** (208) 543-4146
	E-Mail Address: randy.macmillan@clearsprings.com

Facility Information

Facility Name: **Lost River Trout Hatchery**	**Phone:** (208) 735-3773
Address: 5795 W 5000 N Mackay, ID 83251	**Fax:** (208) 543-4146
	E-Mail Address: randy.macmillan@clearsprings.com
	County: Custer
Facility Manager (or Contact) and Address: John R. MacMillan (Contact) Clear Springs Foods, Inc. P.O. Box 712 Buhl, ID 83316	**Phone:** (208) 543-3462
	Fax: (208) 543-4146
	E-Mail: randy.macmillan@clearsprings.com
Facility Latitude ***(New Permittees Only)***: (to closest 15 seconds)**:**	**Facility Longitude** ***(New Permittees Only)*** (to the closest 15 seconds)**:**
NPDES Permit No: **IDG 130073**	**Commercial Fish Rearing License Number:** *(include a copy of the license with this notice)* No. 232
Other Numbers(s) Assigned to Facility & Source Waters: Water Right No 34-7034	**Date Facility was first operated, if known:** Unknown

Operations & Production Information

Rearing Units:
Number of concrete raceways: **24** area: 37,568 sq.ft.
Number of earthen-bottomed ponds: 0 area:
Waste Management System:
Offline settling basins:
Number of basins that discharge: 0 area:
Number of basins that do not discharge: 0 area:
Number of full flow settling basins 2 area: 7,200 sq.ft
Number of quiescent zones: **0**
Other:
Number of laboratory outfalls: 0
Number of other outfalls (explain): 0

Total Number of Outfalls:
Raceways: 24
FFSBs: 2
OLSBs: 0
Other: 0

Project the number of operating days for the facility on a monthly basis throughout the calendar year:

Month	01	02	03	04	05	06	07	08	09	10	11	12
# of Days	31	29	31	30	31	30	31	31	30	31	30	31

Amount of Fish Produced

List the species of fish produced at your facility. For each species, include projected yearly gross harvestable weight in pounds produced (contained, grown, or held) for the five year term of the permit, based upon historical operations, planned changes, and/or design capacity.

Species:	Year One	Year Two	Year Three	Year Four	Year Five
Rainbow Trout	25,000	30,000	35,000	40,000	50,000

Project the Feed Usage in next 5 years (in pounds)
Average Pounds per Month: 10,000 Average Pounds per Year: 120,000
Maximum Pounds per Month: 10,000 Maximum Pounds per Year: 120,000

Drugs, Disinfectants & Other Chemicals

List all projected chemicals & maximum daily amounts expected to be used in next 5 years (use an attachment, if necessary).
Put an asterisk (*) next to those that are Investigational New Animal Drugs (INADs)

Attachment #1

Operations & Production Information

Rearing Units:
Number of concrete raceways: **24** area: 37,568 sq.ft.
Number of earthen-bottomed ponds: 0 area:
Waste Management System:
Offline settling basins:
Number of basins that discharge: 0 area:
Number of basins that do not discharge: 0 area:
Number of full flow settling basins 2 area: 7,200 sq.ft
Number of quiescent zones: **0**
Other:
Number of laboratory outfalls: 0
Number of other outfalls (explain): 0

Total Number of Outfalls:
Raceways: 24
FFSBs: 2
OLSBs: 0
Other: 0

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Drugs, Disinfectants & Other Chemicals

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Attachment #1

Description of Discharge

Provide a drawing of your operation on the back of this sheet, or attach a separate sheet. **Attachment #2**
Show all outfalls & monitoring locations.
Include all waste stream discharges (e.g. tailraces, settling basins, fish tagging operations, laboratories, leaks)

Attach map
Include an area map based upon a map of the US Geologic Survey (USGS) with a scale of at least 1:24,000.
Show water sources, points of influent to and discharge from the facility. **Attachment #3**
Water sources should include water right numbers.

Name(s) of Receiving Water to which Facility Discharges: Warm Springs Creek
Which TMDL or watershed plan provides your wasteload allocation? Big Lost River Watershed Sub-basin Assessment and TMDL 2004.
What is the pollutant(s) allocated? TSS Settleable Solids
And amount(s) allocated? Net TSS Ave. Monthly 2.0 mg/L and Max Daily 2.0 mg/L; Net TSS during pond cleaning Max. Daily5.0 mg/L; settleable solids, 2.0 mg/L; Temperature comply with state cold water aquatic life and salmonid spawning

Name of Larger Stream/River Downstream: Mackay Reservoir

Water Sources & Flow through the Facility & Time Period

For each source, indicate minimum & maximum flow and the period in which that source contributes the flow
(e.g., 12 cfs minimum, & 15 cfs maximum between June 15 & September 30 in a typical year from True Springs)

Primary Source: Hamilton Springs	**Min Flow:** 19 csf	**Max Flow:** 23 cfs	**Period:** Jan. 1 - Dec. 31
Secondary Source:	**Min Flow:**	**Max Flow:**	**Period:**

Signature & Certification by authorized representative for permittee *(see Section VII.E of the Permit):*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: John R MacMillan	***Title/Company:*** V.P. Research, Technical Services and Quality Assurance	
Print Name: John R. MacMillan	***Date:*** August 2, 2018	***Check One:*** *Owner* ____ *Operator* *Authorized Rep* X

CLEAR SPRINGS FOODS INC
PO BOX 712
BUHL, ID 83316

State of Idaho
Department of Agriculture
Boise, Idaho

Issued: January 26, 2018

Issued By: DEBRA LAWRENCE, DVM

LICENSE# 232

Commercial Fish Rearing License

THIS IS TO CERTIFY that CLEAR SPRINGS FOODS INC acting as an agent for LOST RIVER BROOD FARM is licensed in accordance with the provisions of Title 22, Chapter 46, Idaho Code.

AUTHORITY is hereby given and granted unto said licensee to engage in the said business within the State of Idaho, provided that said licensee shall fully comply with the provisions of the laws of this State.

Licensee is hereby permitted to possess, reserve, or propagate fish for the purpose of selling same on property located in: County: Custer State of Idaho.

This License shall be valid only for the following species of fish:

TROUT-RAINBOW

This license expires on the 1st day of February, 2020

Celia R. Gould - Director of Agriculture

Drugs, Disinfectants & Other Chemicals

List all projected chemicals and maximum daily amounts expected to be used in next 5 years (use anattachment, if necessary).

Put an asterisk (*) next to those that are Investigational New Animal Drugs (INADs).

Name:	Aquaflor Medicated Feed (florfenicol)		Maximum daily amount to be used:	2,000 grams	Units
	Method of application:	Oral / Feed	Maximum amount in effluent:	Unknown	Units
Name:	Bleach		Maximum daily amount to be used:	1 gallon	Units
	Method of application:	Disinfectant - Bath	Maximum amount in effluent:	No Discharge	Units
Name:	Calcium Hypochlorite		Maximum daily amount to be used:	25 lbs.	Units
	Method of application:	Disinfectant - Bath	Maximum amount in effluent:	No Discharge	Units
Name:	Carbon Dioxide (anaesthetic)		Maximum daily amount to be used:	60 lbs.	Units
	Method of application:	Bath	Maximum amount in effluent:	Unknown	Units
Name:	Chloramine T		Maximum daily amount to be used:	32,570 grams	Units
	Method of application:	Bath / Drip / Flush	Maximum amount in effluent:	2,555 ppb	Units
Name:	Chlorohexidine (nolvasan)		Maximum daily amount to be used:	35 ml	Units
	Method of application:	Disinfectant - Bath	Maximum amount in effluent:	No Discharge	Units
Name:	Copper Sulfate		Maximum daily amount to be used:	2.65 lbs.	Units
	Method of application:	Flush	Maximum amount in effluent:	< 30 ppb	Units
Name:	Cutrine Plus		Maximum daily amount to be used:	1 gallon	Units
	Method of application:	Drip / Flush	Maximum amount in effluent:	< 30 ppb	Units
Name:	Dermisan hand sanitizer (ethyl alcohol & isopropanol)		Maximum daily amount to be used:	35 ml	Units
	Method of application:	Disinfectant	Maximum amount in effluent:	No Discharge	Units
Name:	Fish Vaccines		Maximum daily amount to be used:	Variable	Units
	Method of application:	Injection / Bath	Maximum amount in effluent:	Unknown	Units
Name:	Formalin (Parasite S)		Maximum daily amount to be used:	5 gallons	Units
	Method of application:	Drip	Maximum amount in effluent:	550 ppb	Units
Name:	Hydrogen Peroxide 35%		Maximum daily amount to be used:	15 gallons	Units
	Method of application:	Flush / Bath	Maximum amount in effluent:	1,650 ppb	Units
Name:	Iodine 1.75%		Maximum daily amount to be used:	0.1 lbs.	Units
	Method of application:	Disinfectant - Bath	Maximum amount in effluent:	No Discharge	Units
Name:	Iodine PVP		Maximum daily amount to be used:	1.5 gallons	Units
	Method of application:	Bath	Maximum amount in effluent:	45 ppb	Units
Name:	Licensed Veterinarian Prescribed Drugs		Maximum daily amount to be used:	Variable	Units
	Method of application:	Bath / Oral	Maximum amount in effluent:	Unknown	Units
Name:	Oxygen		Maximum daily amount to be used:	3,300 cu.ft.	Units
	Method of application:	Bath	Maximum amount in effluent:	7.2 mg/l	Units
Name:	Potassium Permanganate		Maximum daily amount to be used:	5 lbs.	Units
	Method of application:	Flush	Maximum amount in effluent:	178 ppb	Units
Name:	Romet Medicated Feed (sulfadimethoxine & Ormetoprim)		Maximum daily amount to be used:	200 grams	Units
	Method of application:	Oral / Feed	Maximum amount in effluent:	Unknown	Units
Name:	Salt (NaCl)		Maximum daily amount to be used:	4,000 lbs.	Units
	Method of application:	Flush / Bath	Maximum amount in effluent:	80,155 ppb	Units
Name:	Sodium Thiosulfate Pentahydrate		Maximum daily amount to be used:	50 lbs.	Units
	Method of application:	Disinfectant - Bath	Maximum amount in effluent:	No Discharge	Units
Name:	Sterilclean (sodium hypochlorite)		Maximum daily amount to be used:	500 ml	Units
	Method of application:	Disinfectant	Maximum amount in effluent:	No Discharge	Units
Name:	SuperSuds (isopropyl alcohol)		Maximum daily amount to be used:	500 ml	Units
	Method of application:	Disinfectant	Maximum amount in effluent:	No Discharge	Units
Name:	Terramycin Medicated Feed (oxytetracycline)		Maximum daily amount to be used:	2,000 grams	Units
	Method of application:	Oral / Feed	Maximum amount in effluent:	Unknown	Units
Name:	Tricane Methane Sulfonate (MS-222)		Maximum daily amount to be used:	500 grams	Units

Drugs, Disinfectants & Other Chemicals

List all projected chemicals and maximum daily amounts expected to be used in next 5 years (use anattachment, if necessary).
Put an asterisk (*) next to those that are Investigational New Animal Drugs (INADs).

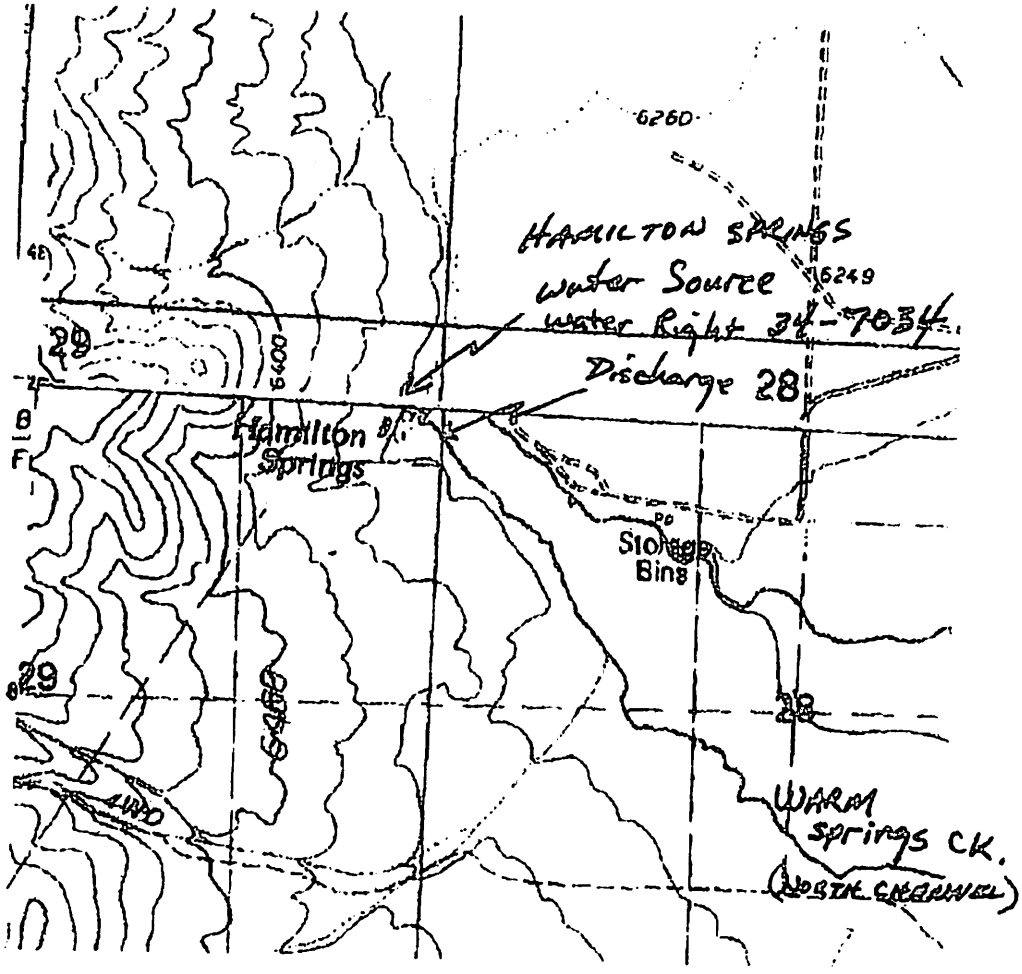
	Name	Method of application	Maximum daily amount to be used	Maximum amount in effluent
	Calcium Chloride Dihydrage (sperm extender component)	Flush	3.65 grams	0.29 ppb
	Dextrose (sperm extender component)	Flush	17.01 grams	1.34 ppb
	Glycine (fertilization diluent component	Flush	630 grams	49.5 ppb
	Magnesium Sulfate (sperm extender component)	Flush	3.85 grams	0.29 ppb
	Penicillin-G Sodium (sperm extender component)	Flush	5.09 grams	0.4 ppb
	Potassium Chloride (sperm extender component)	Flush	121.5 grams	9.53 ppb
	Sodium Bicarbonate (sperm extender component)	Flush	17.01 grams	1.34 ppb
	Sodium Chloride (fertilization & sperm extender component)	Flush	31.73 grams	2.49 ppb
	Sodium Phosphate Monobasic (sperm extender component)	Flush	6.89 grams	0.54 ppb
	Streptomycin Sulfate (sperm extender component)	Flush	20.25 grams	1.59 ppb
	Tris (fertilization diluent component)	Flush	406 grams	31.9 ppb
	Oxytetracycline (injected into fish)	Injection	1,000 ml	Unknown
	Penicillin G	Injection	3000 ml	Unknown
	Ivermectrin	Gauage	150 ml	Unknown
*	Emamectin benzoate	Oral/Feed	10 grams	Unknown

Units


Influent Collection Point
Warm Springs Creek
Effluent Collection Point

USGS MAP NAME: LEHMAN BUTTE, ID

ATTACHMENT #3



Map Center N43.99842° W113.86188°